



FIG. 2A

1 CTGACGTAGG CCCAGCACCT GCGGAGGGAG CGCTGACCAT GGCTCCCTGG  
51 CCTGAATTGG GAGATGCCCA GCCCAACCCC GATAAGTACC TCGAAGGGGC  
101 CGCAGGTCAG CAGCCCCTG CCCCTGATAA AAGCAAAGAG ACCAACAAAA  
151 ATAACACTGA GGCACCTGTA ACCAAGATTG AACTTCTGCC GTCCTACTCC  
201 ACCGGCTACAC TGATAGATGA GCCCCTGAG GTGGATGACC CCTGGAACCT  
251 ACCCACTCTT CAGGACTCGG GGATCAAGTG GTCAGAGAGA GACACCAAAG  
301 GGAAGATTCT CTGTTTCTTC CAAGGGATTG GGAGATTGAT TTTACTTCTC  
351 GGATTTCTCT ACTTTTTCTG GTGCTCCCTG GATATTCTTA GTAGCGCCTT  
401 CCAGCTGGTT GGAGGAAAAA TGGCAGGACA GTTCTTCAGC AACAGCTCTA  
451 TTATGTCCAA CCCTTTGTTG GGGCTGGTGA TCGGGGTGCT GGTGACCGTC  
501 TTGGTGCGA GCTCCAGCAC CTCAACGTCC ATCGTTGTCA GCATGGTGTC  
551 CTCTTCATTG CTCACTGTTC GGGCTGCCAT CCCCATTATC ATGGGGGCCA  
601 ACATTGGAAC GTCAATCACC AACACTATTG TTGCGCTCAT GCAGGTGGGA  
651 GATCGGAGTG AGTTCAGAAG AGCTTTTGCA GGAGCCACTG TCCATGACTT  
701 CTTCAACTGG CTGTCCGTGT TGGTGCTCTT GCCCGTGGAG GTGGCCACCC  
751 ATTACCTCGA GATCATAACC CAGCTTATAG TGGAGAGCTT CCACTTCAAG  
801 AATGGAGAAG ATGCCCCAGA TCTTCTGAAA GTCATCACTA AGCCCTTCAC  
851 AAAGCTCATT GTCCAGCTGG ATAAAAAAGT TATCAGCCAA ATTGCAATGA  
901 ACGATGAAAA AGCGAAAAAC AAGAGTCTTG TCAAGATTTG GTGCAAAACT  
951 TTTACCAACA AGACCCAGAT TAACGTCACT GTTCCCTCGA CTGCTAACTG  
1001 CACCTCCCCT TCCCTCTGTT GGACGGATGG CATCCAAAAC TGGACCATGA  
1051 AGAATGTGAC CTACAAGGAG AACATCGCCA AATGCCAGCA TATCTTTGTG  
1101 AATTTCCACC TCCCGGATCT TGCTGTGGGC ACCATCTTGC TCATACTCTC  
1151 CCTGCTGGTC CTCTGTGGTT GCCTGATCAT GATTGTCAAG ATCCTGGGCT  
1201 CTGTGCTCAA GGGGCAGGTC GCCACTGTCA TCAAGAAGAC CATCAACACT  
1251 GATTTCCCCT TTCCCTTTGC ATGGTTGACT GGCTACCTGG CCATCCTCGT  
1301 CGGGGCAGGC ATGACCTTCA TCGTACAGAG CAGCTCTGTG TTCACGTCGG  
1351 CCTTGACCCC CCTGATTGGA ATCGGCGTGA TAACCATTGA GAGGGCTTAT  
1401 CCACTCACGC TGGGCTCCAA CATCGGCACC ACCACCACCG CCATCCTGGC  
1451 CGCCTTAGCC AGCCCTGGCA ATGCATTGAG GAGTTCACTC CAGATCGCCC  
1501 TGTGCCACTT TTTCTTCAAC ATCTCCGGCA TCTTGCTGTG GTACCCGATC  
1551 CCGTTCACTC GCCTGCCCAT CCGCATGGCC AAGGGGCTGG GCAACATCTC  
1601 TGCCAAGTAT CGCTGGTTCT CCGTCTTCTA CCTGATCATC TTCTTCTTCC  
1651 TGATCCCGCT GACGGTGTTT GGCCTCTCGC TGGCCGGCTG GCGGGTGCTG  
1701 GTTGGTGTCT GGGTTCCCGT CGTCTTCATC ATCATCCTGG TACTGTGCCT  
1751 CCGACTCCTG CAGTCTCGCT GCCCACGCGT CCTGCCGAAG AAACCTCCAGA  
1801 ACTGGAACCT CCTGCCGCTG TGGATGCGCT CGCTGAAGCC CTGGGATGCC  
1851 GTCGTCTCCA AGTTCACCGG CTGCTTCCAG ATGCGCTGCT GCTGCTGCTG  
1901 CCGCGTGTGC TGCCGCGCGT GCTGCTTGCT GTGTGGCTGC CCCAAGTGCT  
1951 GCCGCTGCAG CAAGTGCTGC GAGGACTTGG AGGAGGCGCA GGAGGGGCAG  
2001 GATGTCCCTG TCAAGGCTCC TGAGACCTTT GATAACATAA CCATTAGCAG  
2051 AGAGGCTCAG GGTGAGGTCC CTGCCTCGGA CTCAAAGACC GAATGCACGG  
2101 CCTTGTAGGG GACGCCCCAG ATTGTGAGGG ATGGGGGGAT GGTCCCTGAG  
2151 TTTTGCAATG TCTCCTCCCT CCCACTTCTG CACCCTTTCA CCACCTCGAG  
2201 GAGATTTGCT CCCCATTAGC GAATGAAATT GATGCAGTCC TACCTAACTC  
2251 GATTCCCTTT GGCTTGGTGG GTAGGCCTGC AGGGCACTTT TATTCCAACC  
2301 CCTGGTCACT CAGTAATCTT TTA CTCCAGG AAGGCACAGG ATGGTACCTA  
2351 AAGAGAATTA GAGAATGAAC CTGGCGGGAC GGATGTCTAA TCCTGCACCT  
2401 AGCTGGGTTG GTCAGTAGAA CCTATTTTCA GACTCAAAAA CCATCTTCAG  
2451 AAAGAAAAGG CCCAGGGAAG GAATGTATGA GAGGCTCTCC CAGATGAGGA  
2501 AGTGTA CTATGACTAT CAAGCTCAGG CCTCTCCCTT TTTTAAACC  
2551 AAAGTCTGGC AACCAAGAGC AGCAGCTCCA TGGCCTCCTT GCCCCAGATC  
2601 AGCCTGGGTC AGGGGACATA GTGTCATTGT TTGGAAACTG CAGACCACAA



FIG. 2B

2651 GGTGTGGGTC TATCCCACTT CCTAGTGCTC CCCACATTCC CCATCAGGGC  
2701 TTCCTCACGT GGACAGGTGT GCTAGTCCAG GCAGTTCCT TGCAGTTTCC  
2751 TTGTCTCAT GCTTCGGGGA TGGGAGCCAC GCCTGAACTA GAGTTCAGGC  
2801 TGGATACATG TGCTCACCTG CTGCTCTTGT CTTCTTAAGA GACAGAGAGT  
2851 GGGGCAGATG GAGGAGAAGA AAGTGAGGAA TGAGTAGCAT AGCATTCTGC  
2901 CAAAAGGGCC CCAGATTCTT AATTTAGCAA ACTAAGAAGC CCAATTCAAA  
2951 AGCATTGTGG CTAAAGTCTA ACGCTCCTCT CTTGGTCAGA TAACAAAAGC  
3001 CCTCCCTGTT GGATCTTTTG AAATAAAACG TGCAAGTTAT CCAGGCTCGT  
3051 AGCCTGCATG CTGCCACCTT GAATCCCAGG GAGTATCTGC ACCTGGAATA  
3101 GCTCTCCACC CCTCTCTGCC TCCTTACTTT CTGTGCAAGA TGAATTCCTG  
3151 GGTTAACTTC CTTCTTTCCA TCCACCCACC CACTGGAATC TCTTTCCAAA  
3201 CATTTTTCCT TTTTCCCACA GATGGGCTTT GATTAGCTGT CCTCTCTCCA  
3251 TGCTGCAAA GCTCCAGATT TTTGGGGAAA GCTGTACCCA ACTGGACTGG  
3301 CCAGTGAAGT GGGATCATTG AGTACAGTCG AGCACACGTG TGTGCATGGG  
3351 TCAAAGGGGT GTGTTCTTTC TCATCCTAGA TGCCTTCTCT GTGCCCTCCA  
3401 CAGCCTCCTG CCTGATTACA CCACTGCCCC CGCCCCACCC TCAGCCATCC  
3451 CAATTCTTCC TGGCCAGTGC GCTCCAGCCT TATCTAGGAA AGGAGGAGTG  
3501 GGTGTAGCCG TGCAGCAAGA TTGGGGCCTC CCCCATCCCA GCTTCTCCAC  
3551 CATCCCAGCA AGTCAGGATA TCAGACAGTC CTCCCCTGAC CCTCCCCCTT  
3601 GTAGATATCA ATTCCCAAAC AGAGCCAAAT ACTCTATATC TATAGTCACA  
3651 GCCCTGTACA GCATTTTTC TAAGTTATAT AGTAAATGGT CTTCTAGTGC  
3701 TCTCATTTGG AAATGAGGCA GGCTTCTTCT ATGAAATGTA AAGAAAGAAA  
3751 CCACTTTGTA TATTTTGTA TACCACCTCT GTGGCCATGC CTGCCCCGCC  
3801 CACTCTGTAT ATATGTAAGT TAAACCCGGG CAGGGGCTGT GGCCGTCTTT  
3851 GACTCTGGT GATTTTTAGA AATTGAATCT TTGTACTTGC ATTGATTGTA  
3901 TAATAATTTT GAGACCAGGT CTCGCTGTGT TGCTCAGGCT GGTCTCAAAC  
3951 TCCTGAGATC AAGCAATCCG CCCACCTCAG CCTCCCAAAG TGCTGAGATC  
4001 ACAGGCGTGA GCCACCACCA GGCCTGATTG TAATTTTTTT TTTTTTTTTT  
4051 TTTACTGGTT ATGGGAAGGG AGAAATAAAA TCATCAAACC CAAAAAAAAA  
4101 AAAAAAAAAA AAAAAAAAAA AAAAAAAAAA AAAAAAA (SEQ ID NO:02)